0941.65858 PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In Re U.S. Patent Application)
)
Applicant: Nishida et al.)
)
Serial No. 09/960,094)
)
Filed: September 21, 2001)
)
For: INDUCTANCE DEVICE DRIVING SYSTEM, INFORMATION STORAGE APPARATUS, AND INDUCTANCE DEVICE DRIVING METHOD)
)
Art Unit: 2651)

I hereby certify that this paper is being deposited with the United States Postal Service as first-class mail in an envelope addressed to: Assistant Commissioner for Patents, Washington, D.C. 20231, on this date.

6Nov01 DMB
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Registration No 29367
Attorney for Applicant

SUBMISSION OF SUBSTITUTE FORMAL DRAWINGS

Assistant Commissioner for Patents
Washington, DC 20231

Sir:

Please approve the attached substitute formal drawings, which are the originals of the facsimile drawings filed with this application. No new matter has been added.

Respectfully submitted,

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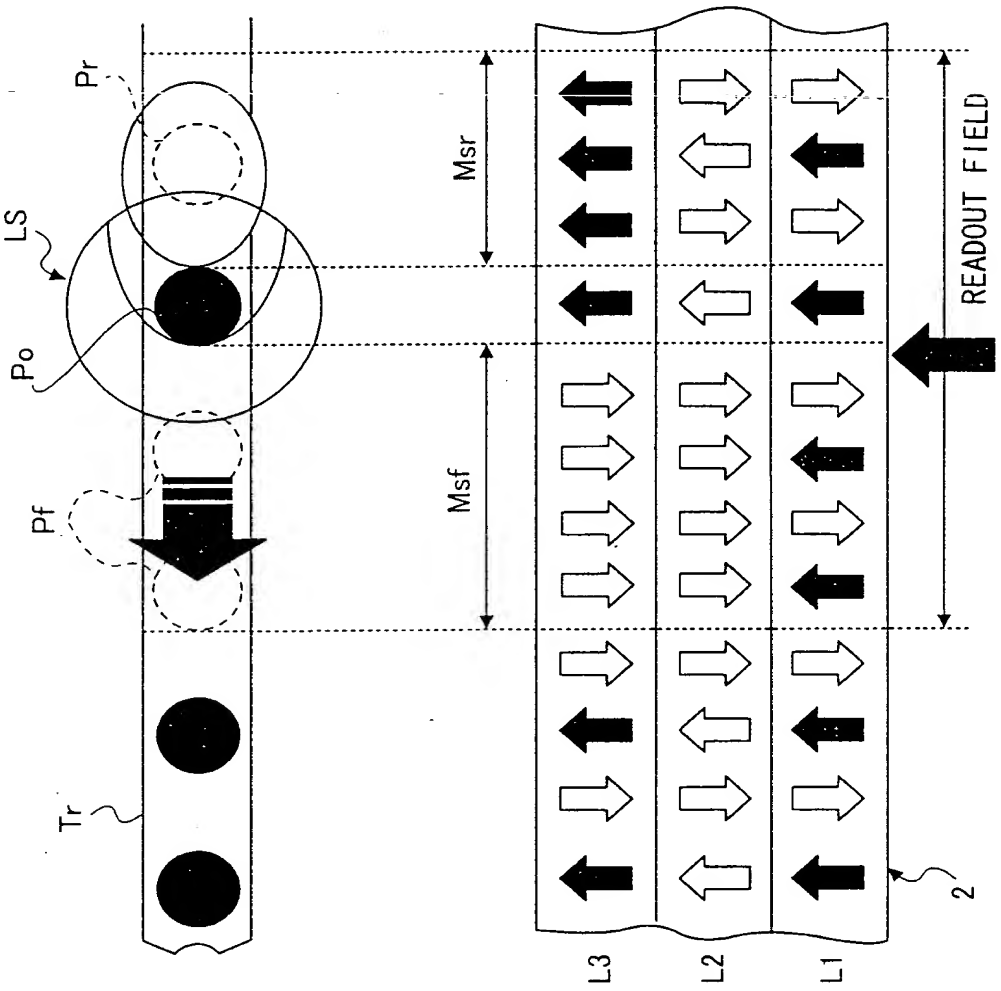


FIG. 1A

FIG. 1B

FIG. 2

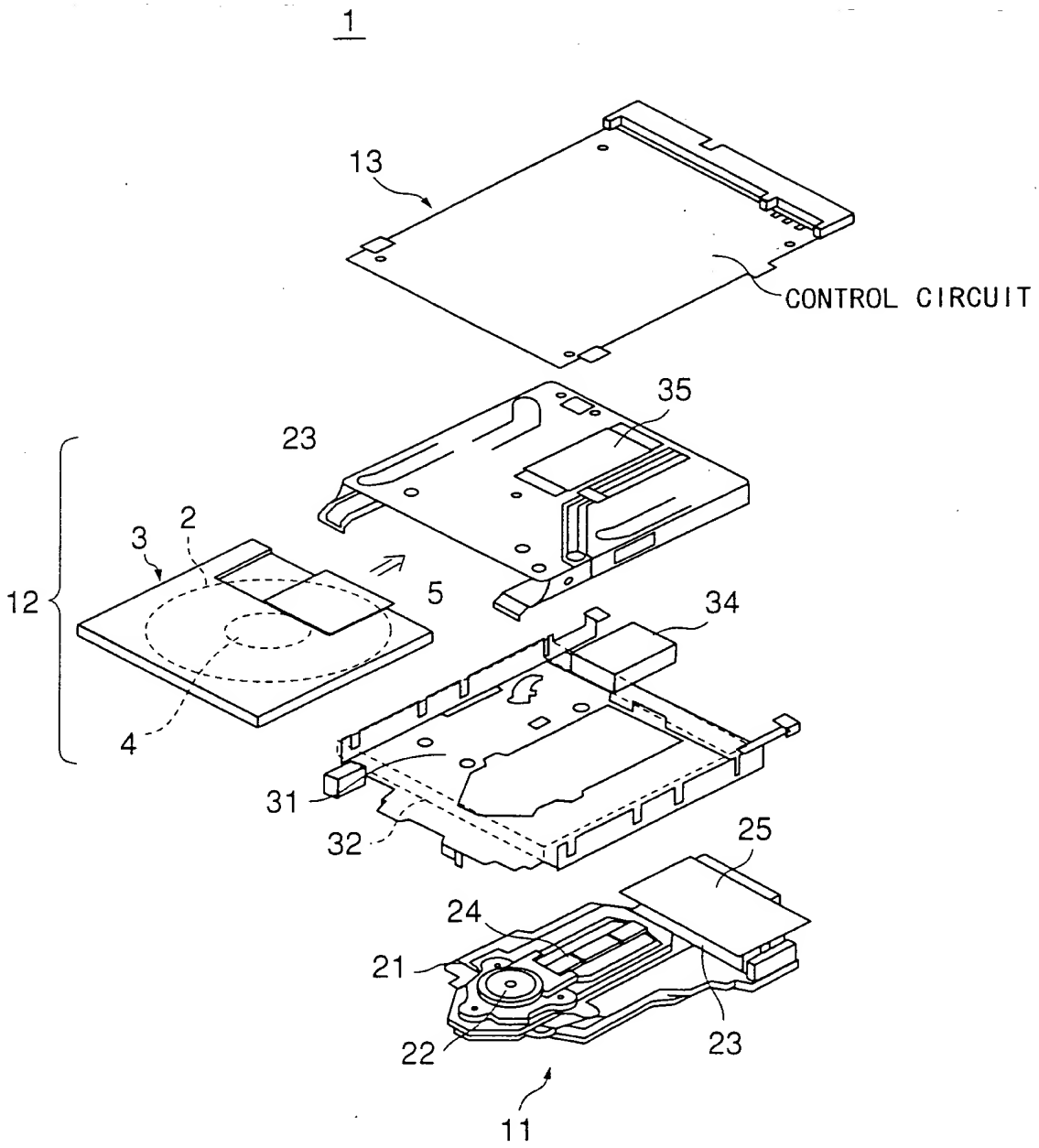


FIG. 3A

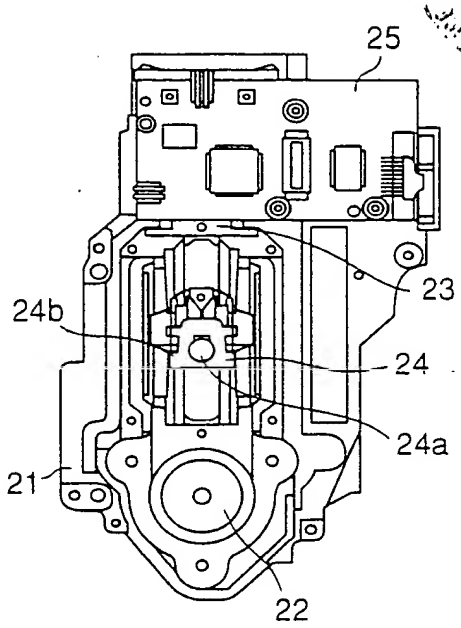


FIG. 3B

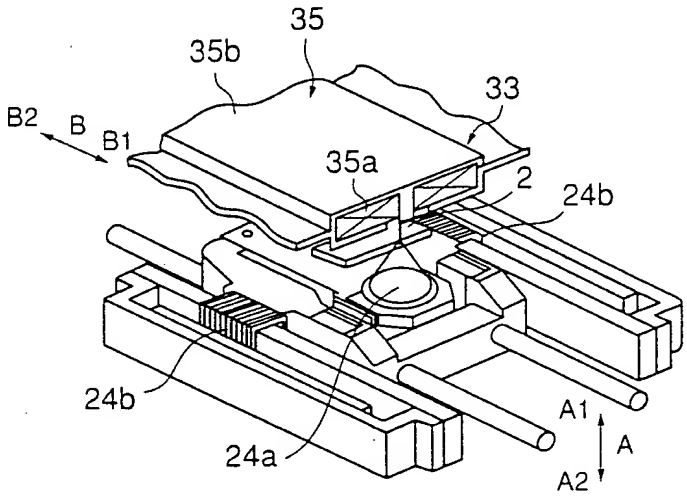


FIG. 3C

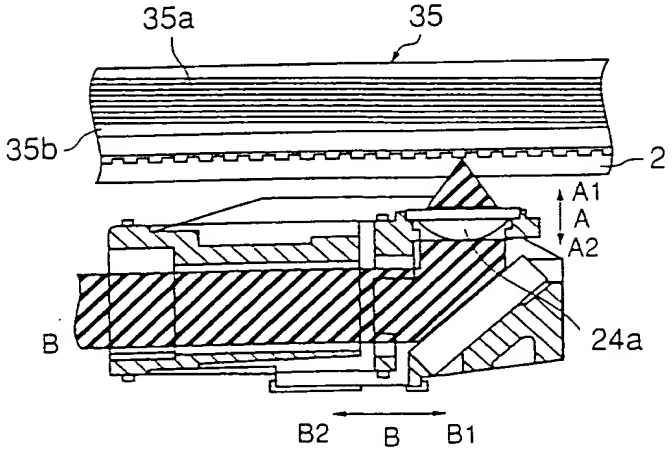


FIG.4

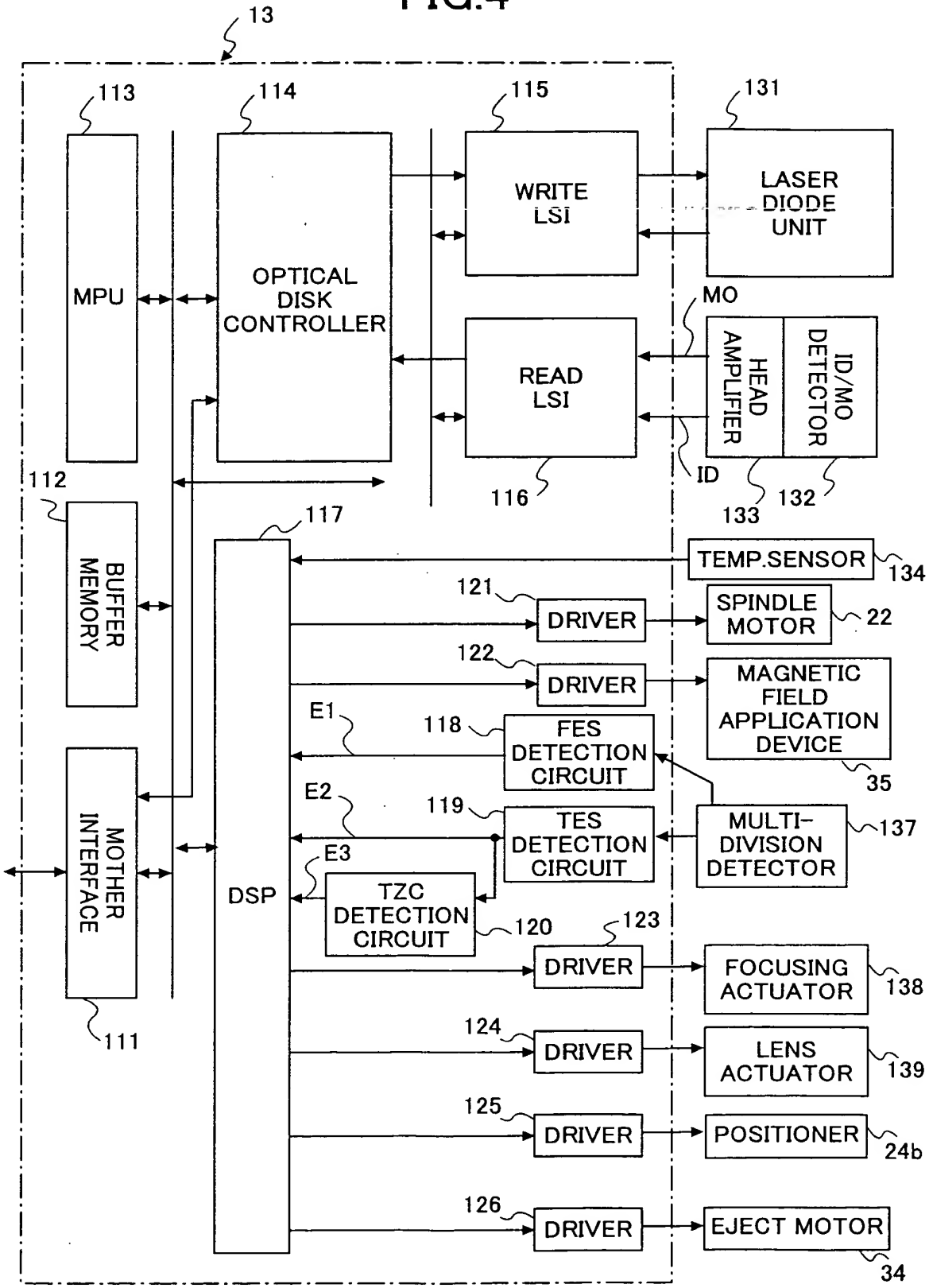


FIG. 5

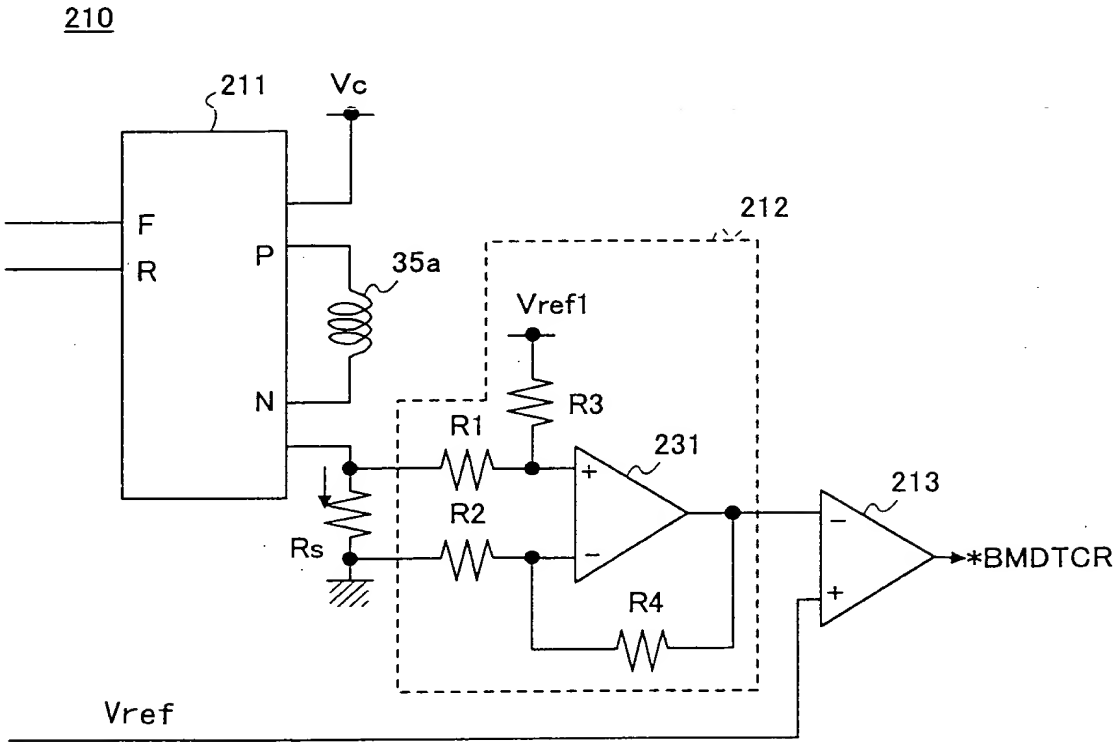


FIG.6

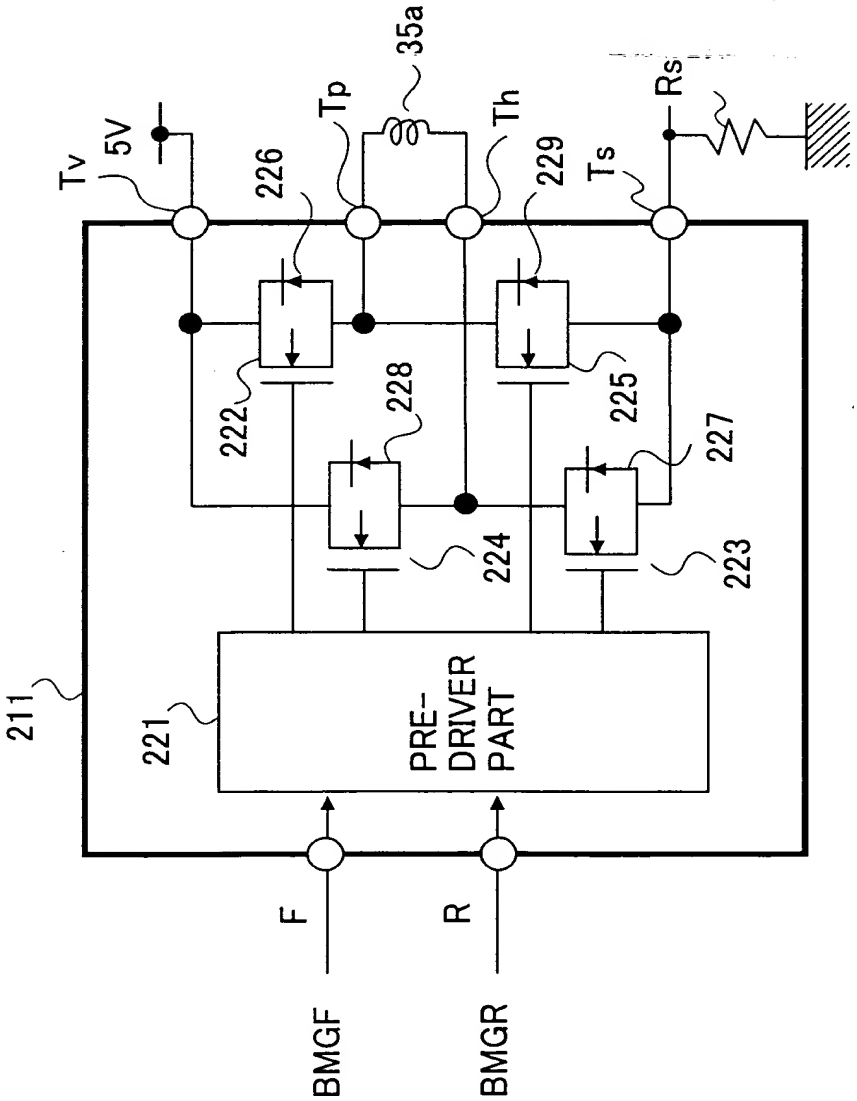


FIG.7

BMGF	BMGR	P OUTPUT	N OUTPUT	NOTE
H	L	H	L	POSITIVE CHANGE(P→N)
L	H	L	H	NEGATIVE CHANGE(N→P)
L	L	L	L	SHORT BREAK

FIG.8

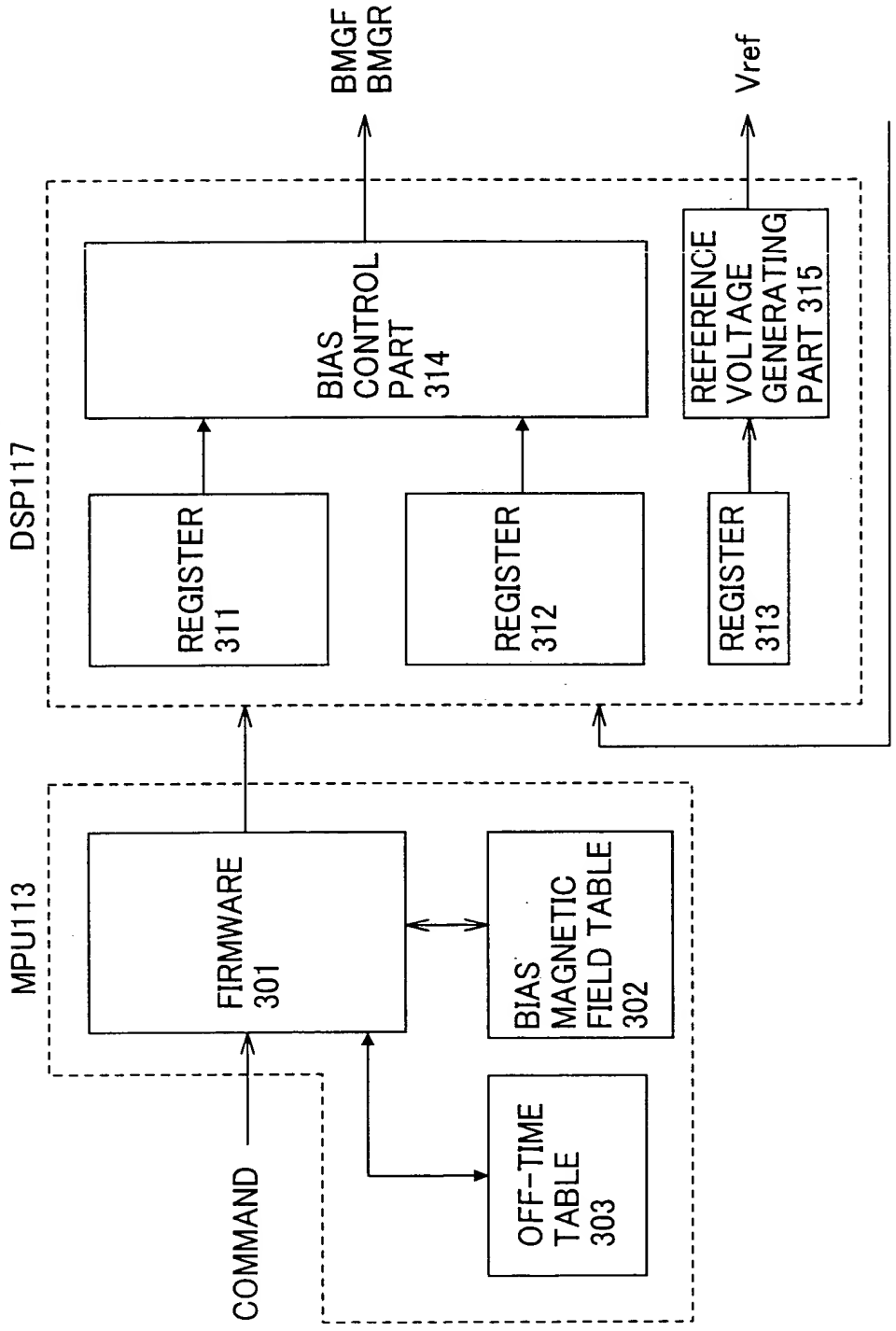


FIG.9

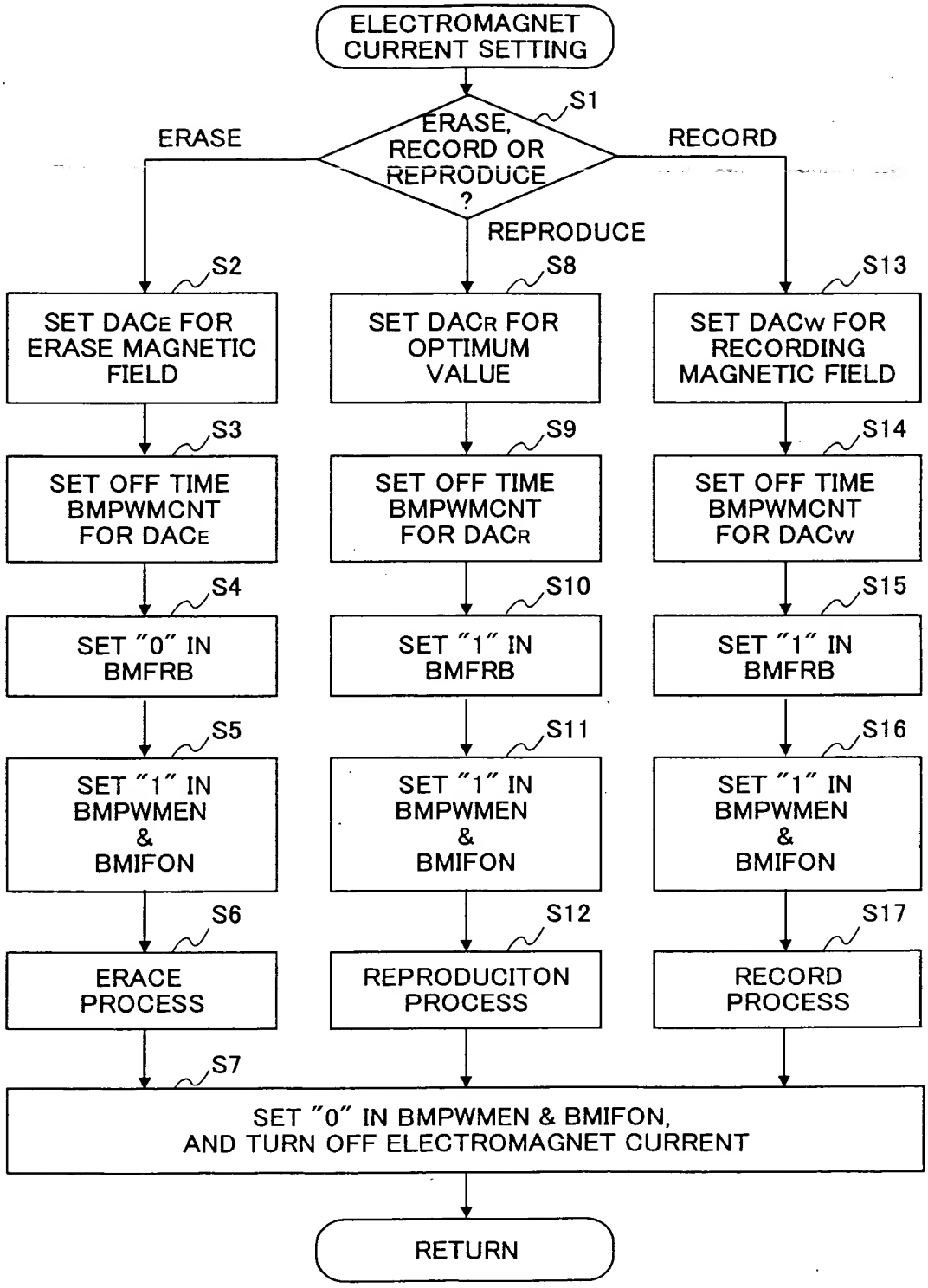


FIG.10A

ZONE NUMBER	ELECTROMAGNET ELECTRIC CURRENT			
	ERASE	RECORD	INITIAL VALUE FOR REPRODUCTION	CALIBRATION COEFFICIENT
Z1	I_E[mA] (DAC_E)	I_W[mA] (DAC_W)	I_{R_Z1}[mA](DAC_{R_Z1})	α 1
Z2			I_{R_Z2}[mA](DAC_{R_Z2})	α 2
Z3			I_{R_Z3}[mA](DAC_{R_Z3})	α 3
Z4			I_{R_Z4}[mA](DAC_{R_Z4})	α 4
Z5			I_{R_Z5}[mA](DAC_{R_Z5})	α 5
Z6			I_{R_Z6}[mA](DAC_{R_Z6})	α 6
Z7			I_{R_Z7}[mA](DAC_{R_Z7})	α 7
Z8			I_{R_Z8}[mA](DAC_{R_Z8})	α 8
Z9			I_{R_Z9}[mA](DAC_{R_Z9})	α 9
Z10			I_{R_Z10}[mA](DAC_{R_Z10})	α 10
Z11			I_{R_Z11}[mA](DAC_{R_Z11})	α 11

FIG.10B

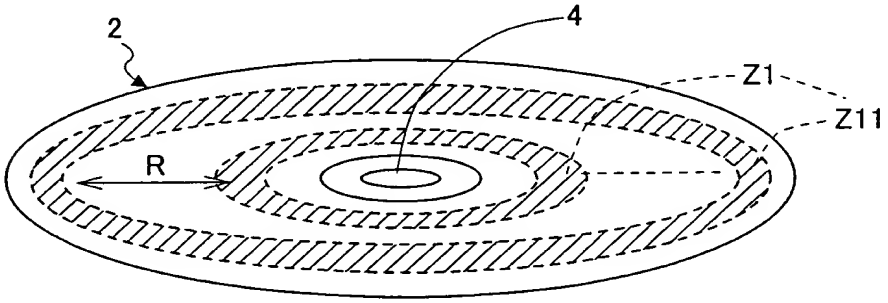
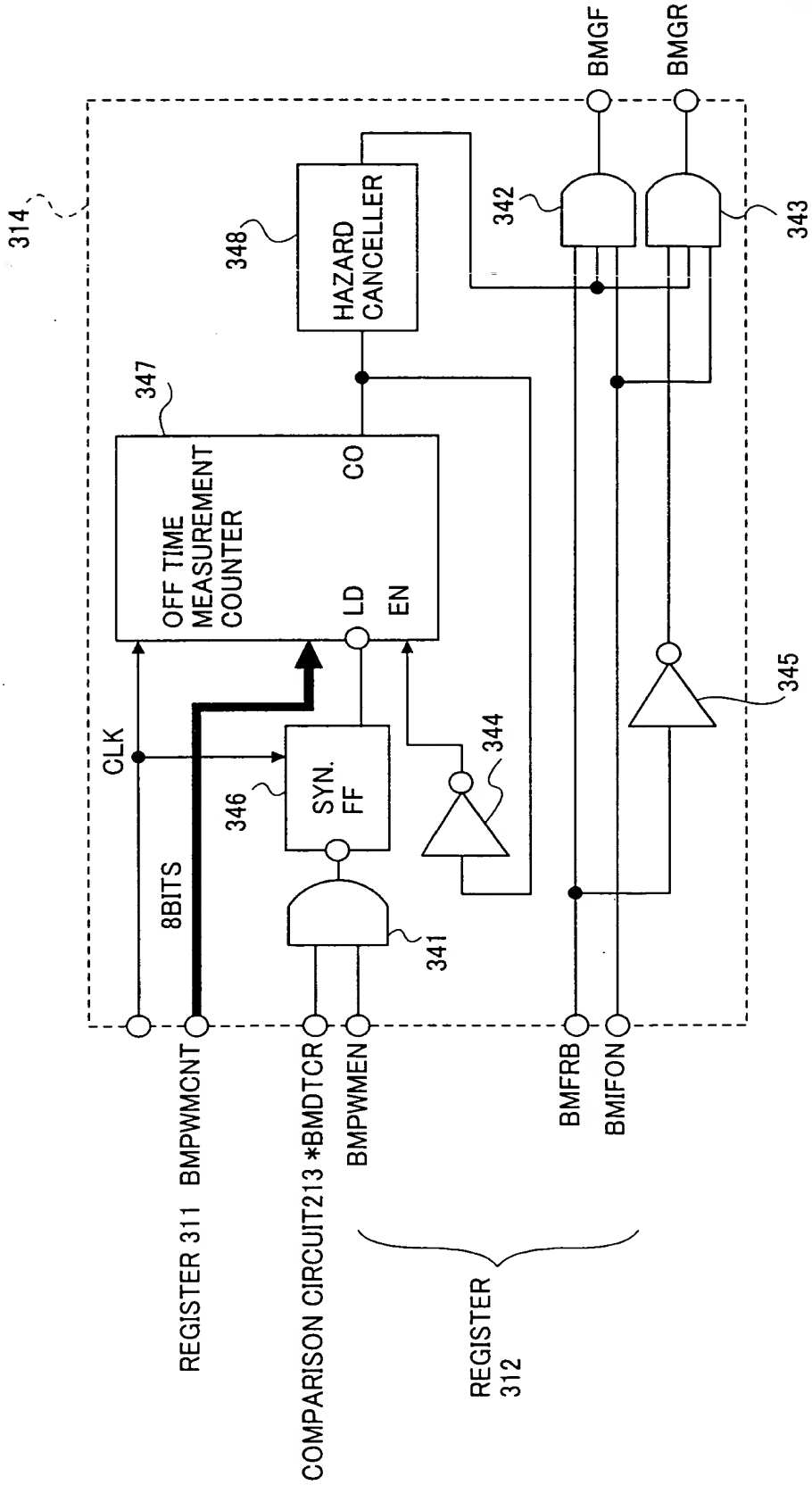


FIG. 11

303

BLAS_DAC	BMPWMCNT
0x00～0x0f	0x18
0x10～0x1f	0x10
0x20～0x3f	0x08
0x40～0x7f	0x04
0x80～0xff	0x01

FIG.12



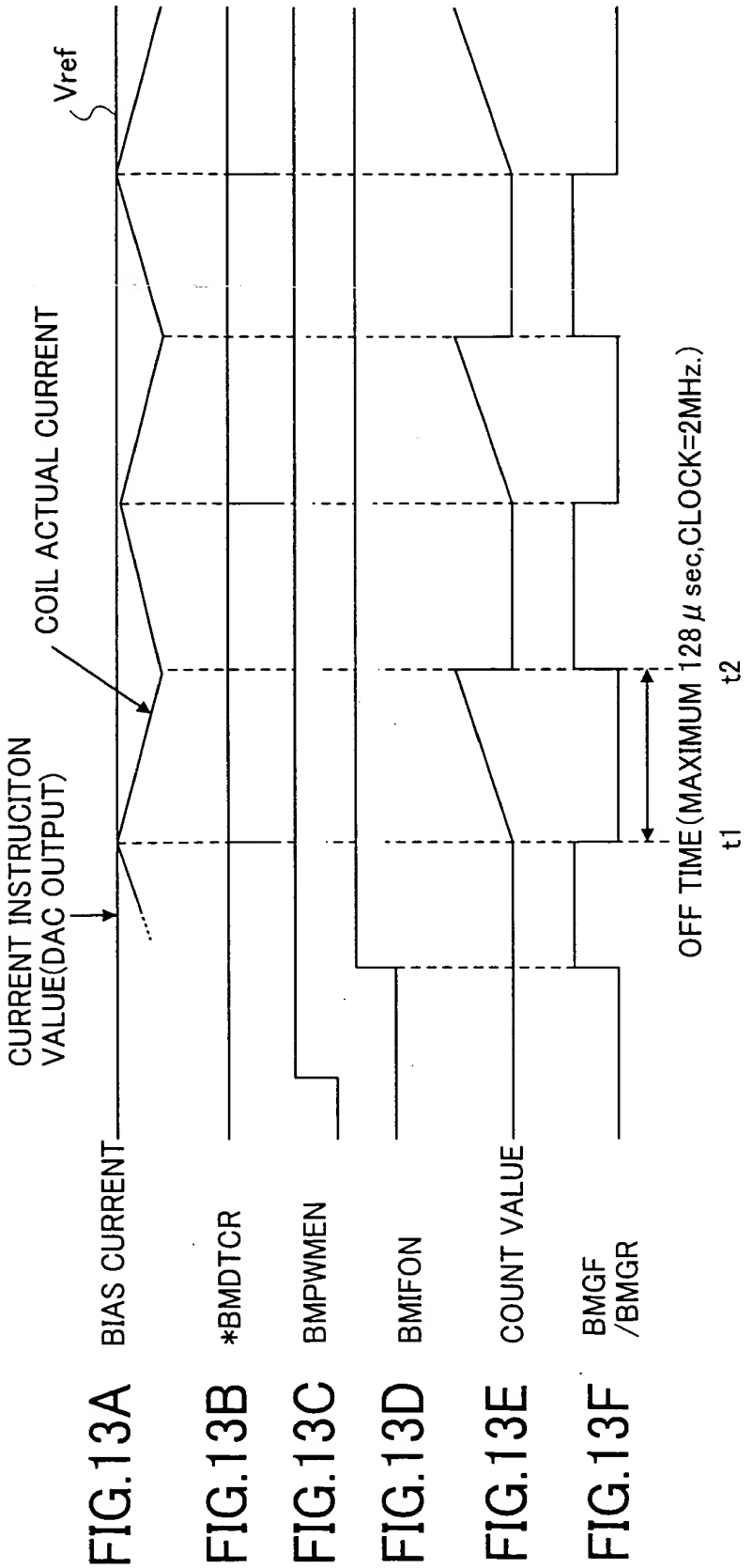


FIG.13A FIG.13B FIG.13C FIG.13D FIG.13E FIG.13F

FIG.14

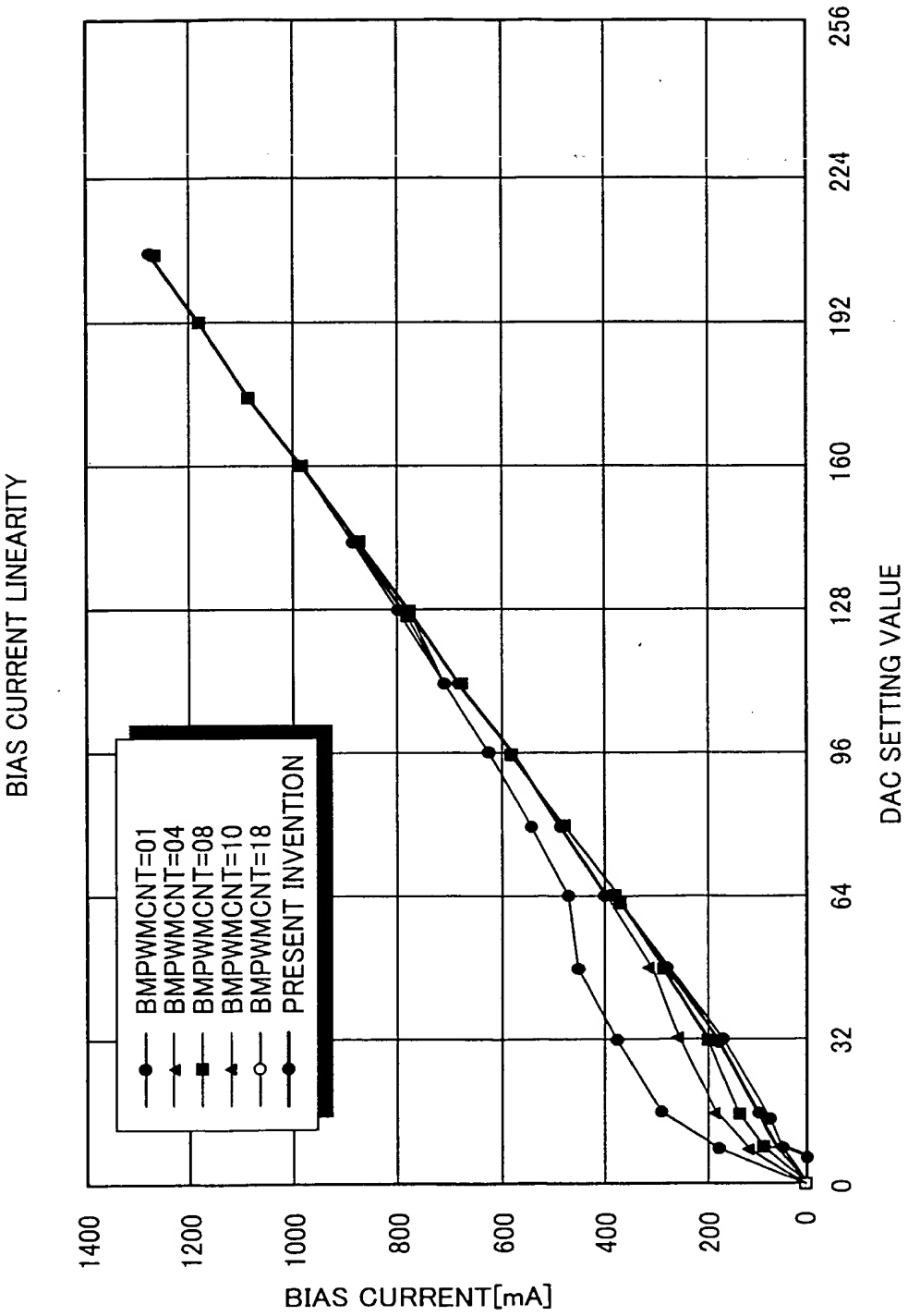


FIG.15

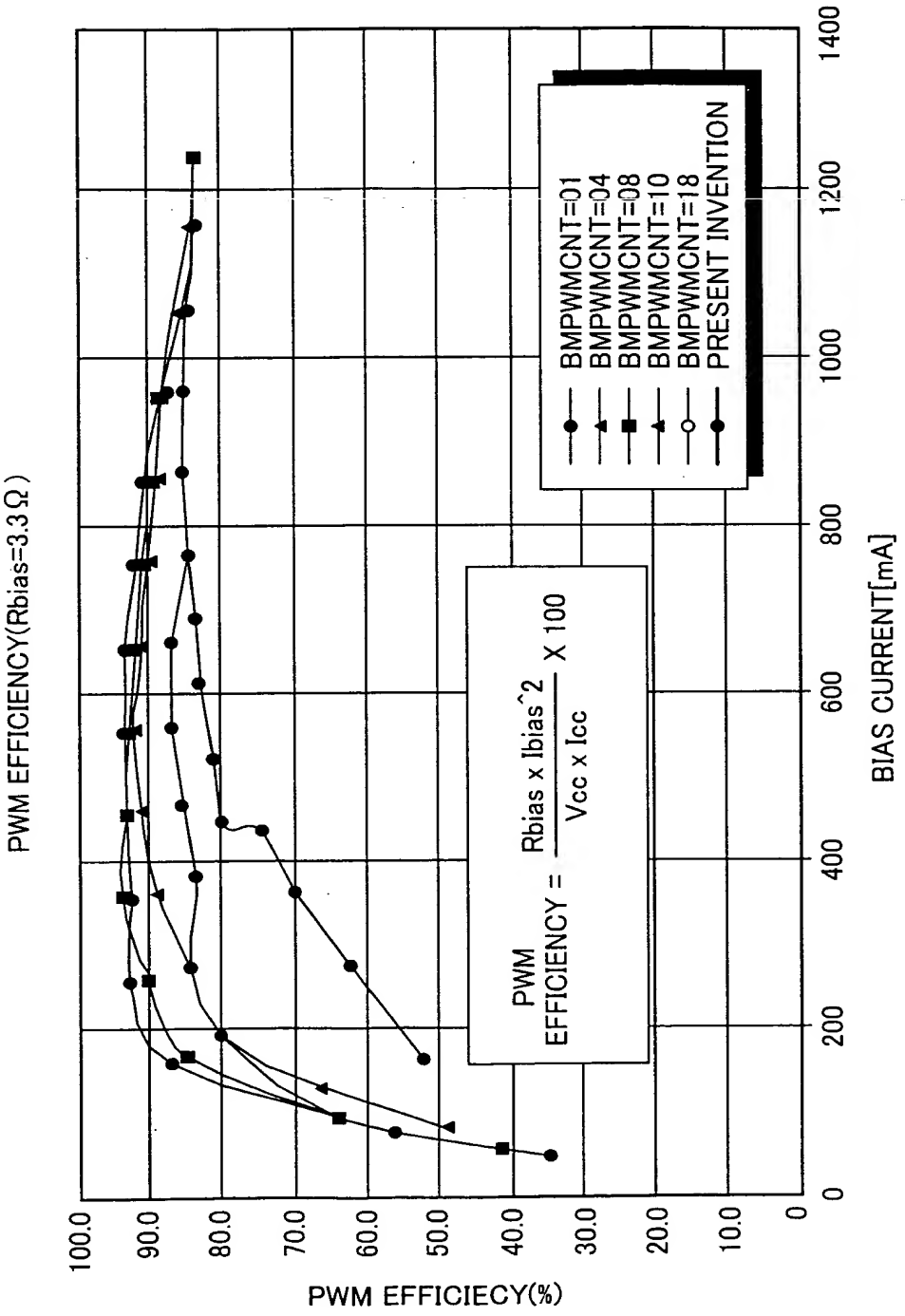


FIG.16